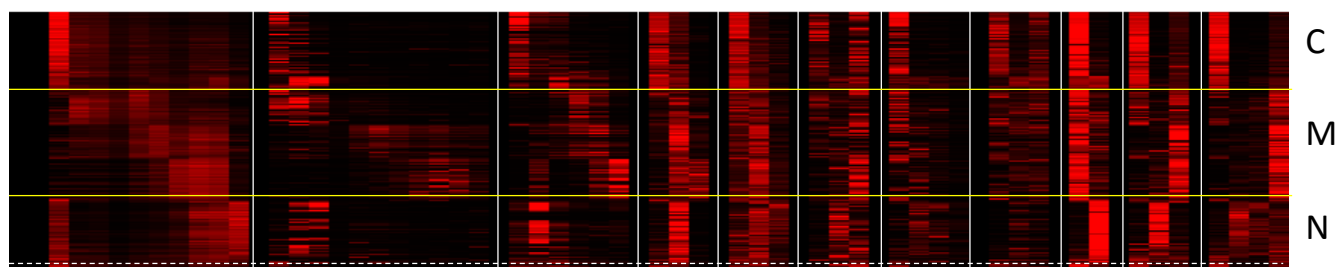
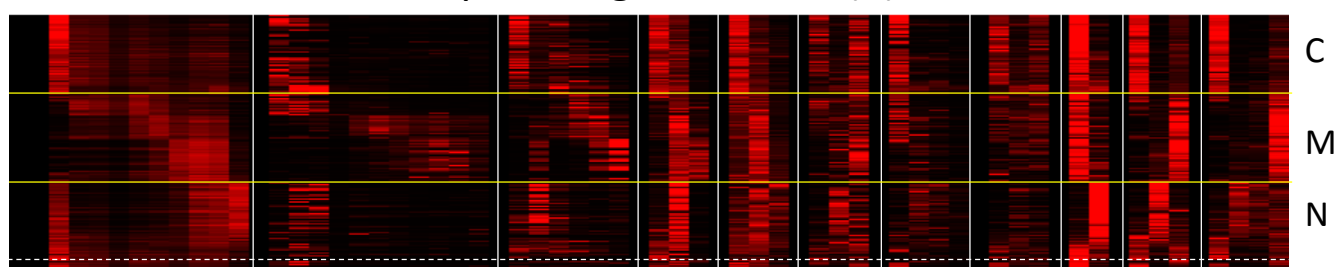


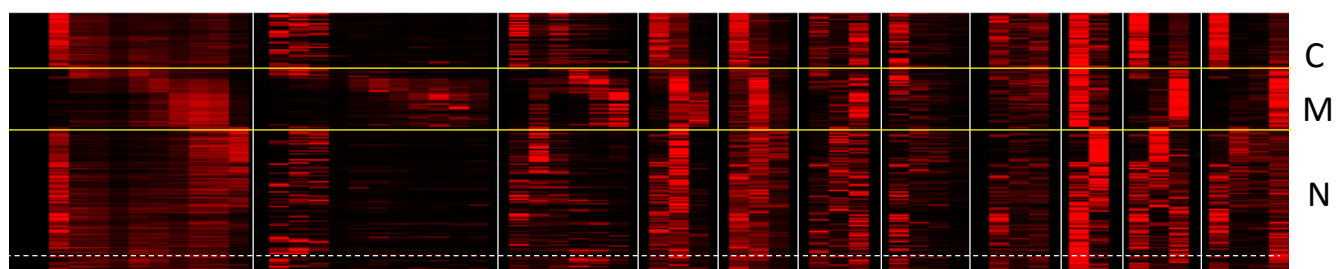
Christoforou markers (3)



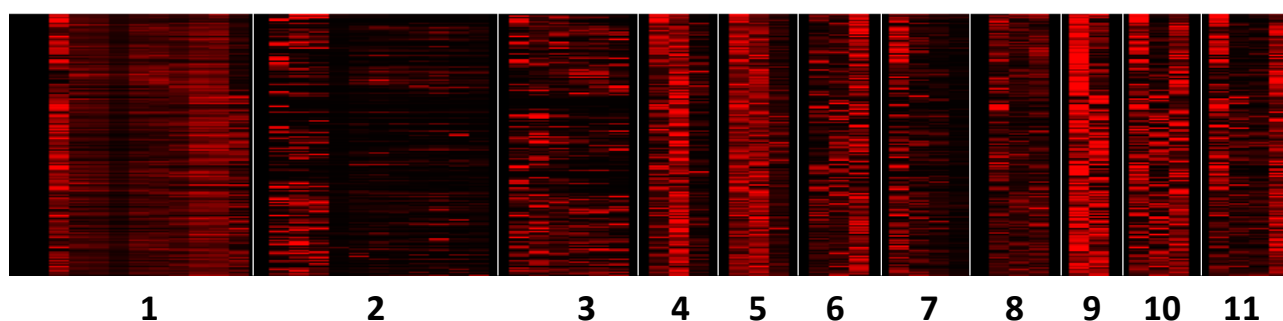
Uniprot single location (4)



Human Protein Atlas main location «supportive» (6)



Human Protein Atlas main location «uncertain» (7)



The heatmaps show results obtained when datasets from studies 2-11 were classified on basis of indicated marker sets. Main subcellular components: C: cytoplasm, M: plasma membrane and cytoplasmic organelles, N: Nucleus. Proteins below the white dashed lines were not classified. Study 1 (*Christoforou et al.*) represents the metadata. This dataset was not used for the analysis, but aligned afterwards (default option in MetaMS). The numbers in parenthesis represent the corresponding options for the markers = argument in MetaMS. Results obtained with the Uniprot annotations are similar to those obtained with the Christoforou markers, except that some nuclear proteins are found in the cytoplasmic fractions. The «supportive» annotations from the Human Protein Atlas (HPA) classify a larger number of proteins as nuclear, and a large number of these are recovered in cytoplasmic fractions. The HPA «uncertain» annotations yield a heatmap with no obvious pattern. This demonstrates that these annotations have a very poor fit with the MS data and the other marker sets.